

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/572,744
Source: IFWP
Date Processed by STIC: 3/31/06

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IFWP

RAW SEQUENCE LISTING

DATE: 03/31/2006

PATENT APPLICATION: US/10/572,744

TIME: 12:15:58

Input Set : A:\58951211.APP

Output Set: N:\CRF4\03292006\J572744.raw

3 <110> APPLICANT: J.R. SIMPLOT COMPANY
 4 WEEKS, J. TROY
 5 ROMMENS, CAIUS M.T.
 7 <120> TITLE OF INVENTION: REFINED PLANT TRANSFORMATION
 9 <130> FILE REFERENCE: 058951-0211
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/572,744
 C--> 12 <141> CURRENT FILING DATE: 2006-03-21
 14 <150> PRIOR APPLICATION NUMBER: 10/667,145
 15 <151> PRIOR FILING DATE: 2003-09-22
 17 <160> NUMBER OF SEQ ID NOS: 76
 19 <170> SOFTWARE: PatentIn Ver. 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 780
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Aspergillus sp.
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 28 atctttgatg gtggaccctt catcaacgta ccggaagccc tgctcgatcga agagatcaag 120
 29 tttccagtcg atgaccccat tggtgagaaa accatgagat atgcaaaggc tgctcttccc 180
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 34 atcaaggctc tggaggttct taagggtttt ggcgctacct ccgatcaggc cgaagcggtc 480
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 36 cagctcatcc agctggccac catctacgat aacgtcgggg ctacacctta cgtcaaagac 600
 37 tttggcgagt tgatccatga tacaactcgc tcccagggtgc acgaggcgca cccgccgggg 660
 38 gaatggcgca cgttcttctc tggcgatcag cagaaggagc aagcaatcaa gccctggtgt 720
 39 catacaaaaa agatggtgaa tggtctgagg aaaggaagcc ggcaccctga tgggcagtga 780
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 416
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Solanum tuberosum
 47 <400> SEQUENCE: 2
 48 gtttacatta ccatatatcc tgctcagagg atagaggcat gactggcatg atcactaaat 60
 49 tgatgcccac agaggagact tataacctac aggggcacgt agttctagga cttgaaagtg 120
 50 actgaccgta gtccaactcg gtataaagcc tactcccaac taaatatatg aaatttatag 180
 51 cataactgca gatgagctcg attctagagt aggtaccgag ctcgaaattc ttactcctcc 240
 52 acaaagccgt aactgaagcg acttctatatt ttctcaacct tcggacctga cgatcaagaa 300
 53 tctcaatagg tagttcttca taagtgaac tacccttcat agctacactt tctaaaggta 360
 54 cgatagattt tggatcaacc acacacactt cgtttacatc ggtatatatc ctgcca 416
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 2595

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60 <213> ORGANISM: Solanum tuberosum
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65 ttttttaaag tcatgaagta tgtatcaaat acacatatgg aaaaaattaa ctattcataa 180
66 tttaaaaaat agaaaagata catctagtga aattaggtgc atgtatcaaa tacattagga 240
67 aaagggcata tatcttgatc tagataatta acgattttga tttatgtata atttccaaat 300
68 gaagggttat atctacttca gaaataacaa tatactttta tcagaacatt caacaaagta 360
69 acaaccaact agagtgaaaa atacacattg ttctctaaac atacaaaatt gagaaaagaa 420
70 tctcaaaatt tagagaaaca aatctgaatt tctagaagaa aaaaaataatt atgcactttg 480
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72 tactcaaaaag ctatcaaaag agtaatatct ttcttacatt aagtatttta gttacagtcc 600
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106 aaaaaatagg aattc 2595
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 292

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111 <212> TYPE: DNA

112 <213> ORGANISM: *Saccharomyces cerevisiae*

114 <400> SEQUENCE: 4

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115 ttcttcgccca gaggtttggt caagtctcca atcaagggtg tcggcttgtc taccttgcca 60
116 gaaatttacg aaaagatgga aaagggtcaa atcgttggtg gatacgttgt tgacacttct 120
117 aaataagcga atttcttatg atttatgatt tttattatta aataagttat aaaaaaata 180
118 agtgtatata aattttaaag tgactcttag gttttaaaac gaaaattctt attcttgagt 240
119 aactctttcc tgtaggtcag gttgctttct caggtatagc atgagggtcgc tc 292

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122 <210> SEQ ID NO: 5

123 <211> LENGTH: 359

124 <212> TYPE: DNA

125 <213> ORGANISM: *Solanum tuberosum*

127 <400> SEQUENCE: 5

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128 ttgatttttaa tgtttagcaa atgtcctatc agttttctct ttttgctgaa cggtaattta 60
129 gagttttttt tgctatatgg attttcgttt ttgatgtatg tgacaaccct cgggattggt 120
130 gatttatattc aaaactaaga gtttttgctt attgttctcg tctattttgg atatcaatct 180
131 tagtttttata tcttttctag ttctctacgt gttaaatggt caacacacta gcaatttggc 240
132 tgcagcgtat ggattatgga actatcaagt ctgtggggtc gataaatatg cttctcagga 300
133 atttgagatt ttacagtctt tatgctcatt gggttgagta taatatagta aaaaaatag 359

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136 <210> SEQ ID NO: 6

137 <211> LENGTH: 626

138 <212> TYPE: DNA

139 <213> ORGANISM: *Oryza sativa*

141 <400> SEQUENCE: 6

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142 agtatttttcg catgaatggt cttttcttct gtcttggtgca tcagtgatct agtgcattggg 60
143 agtttgattt gtgatgttcg acatcacgta acttccactt tgcccttgct gttcgatatt 120
144 ttaatgacat gtcacacaca cttctgatac ttttctttct tggctattgt gccagcatga 180
145 tgcaagatgc atcacagcat cagatatatt ctcatcgta ggcttttagca gcacacgagc 240
146 acgctttgcc gcttaaaagt tgtacggcgc agcttagaca tcccctgtag aagtgataat 300
147 cttttcactt ttccttaaac aaattgagag gggaaatgga accatgtgga tcagagaagc 360
148 ttttgtttct ttacacaaga atatttggtt cagtgggggt cctatgttcg tgggttcgtg 420
149 gcttggtcgc ctgtcttcaa ccaagtgttt tcagttcaac atgttagcgt gtagaaagag 480
150 cacaattctg tttatctcca aggtaaaatg tggcattctg tttaaagaaca tgatcctgcc 540
151 aatttttttaa gtttcaatgg aagaggaatg taaagctttc tatggtttgt gtacacaaca 600
152 cagtgggaaga ggagtgaag ctttct 626

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155 <210> SEQ ID NO: 7

156 <211> LENGTH: 492

157 <212> TYPE: DNA

158 <213> ORGANISM: *Solanum tuberosum*

160 <400> SEQUENCE: 7

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161 aaataacaaa tatcaatatg aggtcaataa caatatcaaa ataatatgaa aaaagagcaa 60
162 tacataatat aagaaagaag atttaagtgc gattatcaag gtagtattat atcctaattt 120
163 gctaataattt aaactcttat atttaaggtc atgttcatga taaacttgaa atgcgctata 180
164 ttagagcata tattaaaata aaaaaatacc taaaataaaa ttaagttatt ttaggtatat 240
165 atttttttac atgacctaca tttttctggg tttttctaaa ggagcgtgta agtgtcgacc 300
166 tcattctcct aattttcccc accacataaa aattaaaaag gaaaggtagc ttttgctgtg 360
167 tgttttggtg cactacacct cattattaca cgtgtcctca tataattggt taaccctatg 420
168 aggcgggttc gtctagagtc ggccatgcca tctataaaat gaagctttct gcacctcatt 480
169 tttttcatct tc 492

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172 <210> SEQ ID NO: 8
173 <211> LENGTH: 1026
174 <212> TYPE: DNA
175 <213> ORGANISM: Solanum tuberosum
177 <400> SEQUENCE: 8
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179 cccaaattga atagtaagca acttaatggt tttcataatg ataatgacag acacaaaaaa 120
180 aaccatttta ttattcacat tgattgaggt ttatatgcaa tatagtaata ataataatat 180
181 ttcttataaaa gcaagagggtc aatttttttt taattataacc aacgtcacta aattatattt 240
182 gataatgtaa aacaattcaa ttttacttaa atatcatgaa ataaactatt tttataacca 300
183 aattactaaa tttttccaat aaaaaaaagt cattaagaag acataaaata aatttgagta 360
184 aaaagagtga agtcgactga cttttttttt ttttatcata agaaaaataaa ttattaactt 420
185 taacctataa aaacactaat ataatttcat ggaatctaact acttacctct tagaaataag 480
186 aaaaagtgtt tctaatagac cctcaattta cattaaatat tttcaatcaa atttaaataa 540
187 caatatatcaa tatgagggtca ataacaatat caaaataata tgaaaaaaga gcaatacata 600
188 atataagaaa gaagatttaa gtgcgattat caaggtagta ttatatccta atttgctaatt 660
189 atttaaactc ttatatttaa ggtcatgttc atgataaact tgaaatgcgc tatattagag 720
190 catatattaa aataaaaaaa tacctaaaat aaaattaagt tatttttagt atatattttt 780
191 ttacatgacc tacatttttc tgggtttttc taaaggagcg tgtaagtgtc gacctcattc 840
192 tcctaatttt cccaccaca taaaaattaa aaaggaaagg tagcttttgc gtgttggttt 900
193 ggtacactac acctcattat tacacgtgtc ctcatataat tggttaacct tatgaggcgg 960
194 tttcgtctag agtcggccat gccatctata aatgaagct ttctgcacct catttttttc 1020
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199 <211> LENGTH: 253
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
205 promoter nucleotide sequence
207 <400> SEQUENCE: 9
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209 caaccgcagg tagcaaacgg cgtgcacctt cccgagatct ccacagcgag gtctggcttt 120
210 ttccgccttc ccggaaacgg cgggtggttt agcgtggcgg attccccctc ccaccacca 180
211 accgccataa ataccagccc ccacctcact ctctttgcat atccatccaa atcccagtc 240
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215 <210> SEQ ID NO: 10
216 <211> LENGTH: 300
217 <212> TYPE: DNA
218 <213> ORGANISM: Zea mays
220 <400> SEQUENCE: 10
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222 tttagggtta atggttttta tagactaatt ttttagtagt atctatttta ttctatttta 120
223 gcctctaaat taagaaaact aaaactctat tttagttttt ttatttaata atttagatat 180
224 aaaatagaat aaaataaagt gactaaaaat taaacaaata ccctttaaga aattaaaaaa 240
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229 <211> LENGTH: 1425
230 <212> TYPE: DNA

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231 <213> ORGANISM: Saccharum officinarum
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236 attaggtatg ctttcctgtt ttgtgttcgt cgtagcgttt gattaggtat gctttccctg 180
237 ttctgtttca tcgtagtgtt tgattaggtc gtgtgaggcg atggcctgct cgcgtccttc 240
238 gatctgtagt cgatttgcgg gtcgtggtgt agatctgcgg gctgtgatga agttatttgg 300
239 tgtgatctgc tcgcctgatt ctgcgggttg gctcgagtag atatggatgg ttggaccggt 360
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241 tcccgcagca ggacttgcgt ttgattgcca gatctcgta cgattatgtg atttggtttg 480
242 gacttattag atctgtagct tctgcttatg ttgccagatg cgctactgc tccatatgcc 540
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247 aacctatta catgccataa cgtggattct gctcatgcct gatgataatc atagatcact 840
248 gtggaattaa ttagttgatt gttgaatcat gtttcatgta cataccacgg cacaattgct 900
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252 catatatcaa gtacatacca tggcacaatt tttagtcact taacccatgc agattgaact 1140
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256 tttgtttcat gtatcaattc ttttgtgttc aacagtcagt ttttggtaga ttcattgtaa 1380
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261 <211> LENGTH: 729
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
267 resistance gene sequence
269 <400> SEQUENCE: 12
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272 ttccattcgc acgatcctgt cgtcgcaaag acgttggatt atgccaaggc tgttctgcat 180
273 cctgaaacat tcaatcactc catgcgagta taccactacg gaatggctat cacaagcag 240
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279 aaagactttg gaaagtgggt tcatgatgaa actcgtgctc agatcaacac ggcctacccg 600
280 cgacttaagt ggtgcacgtt cttttctggt gtcattcgca aggaggagac gatcaagcct 660
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282 gggcagtg 729
285 <210> SEQ ID NO: 13
286 <211> LENGTH: 242

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/572,744

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Input Set : A:\58951211.APP
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; N Pos. 16

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0